

Structure-based sequence homology alignment of bromodomains

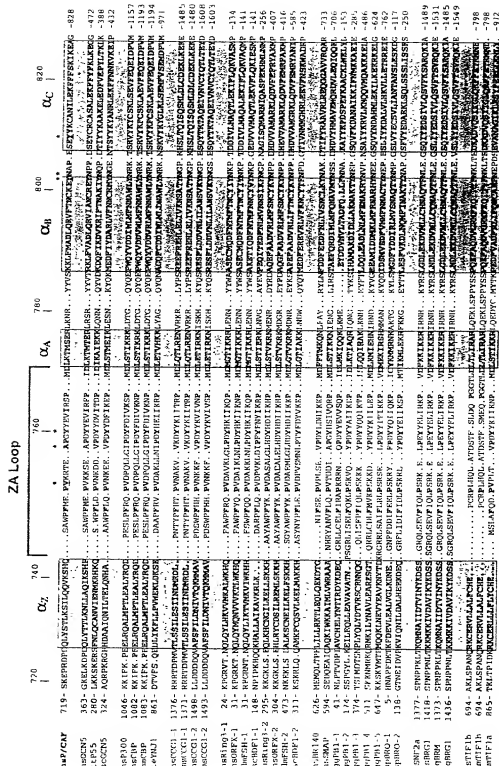


Figure 1

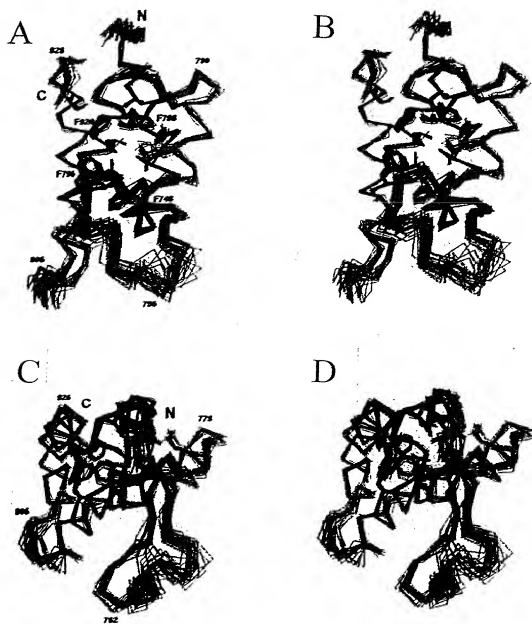


Figure 2A-2D

Three-Dimensional Structure of the P/CAF Bromodomain

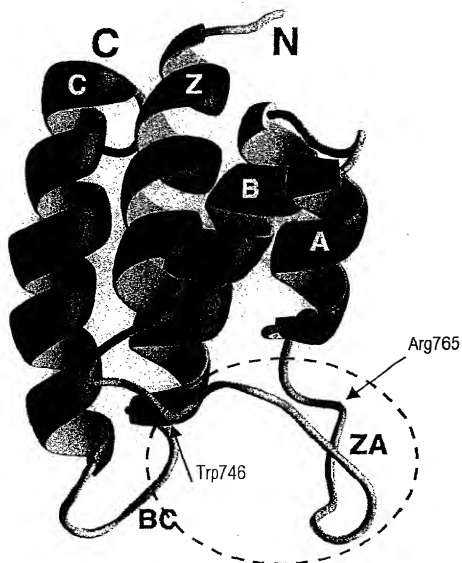


Figure 2E

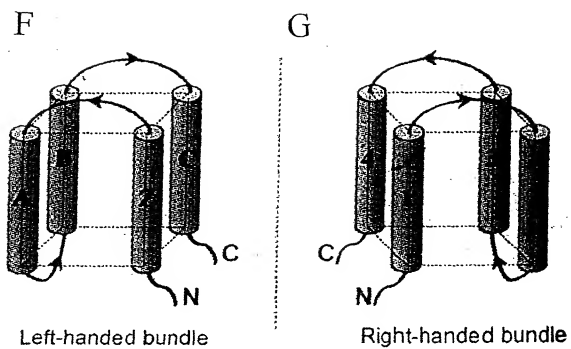


Figure 2F-2G

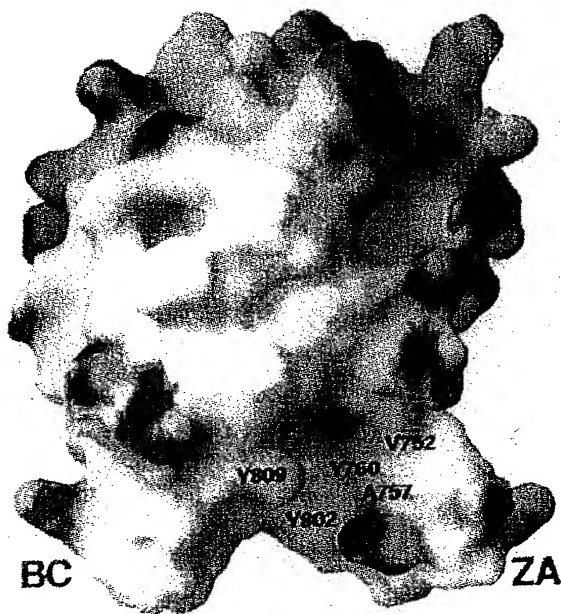


Figure 2H

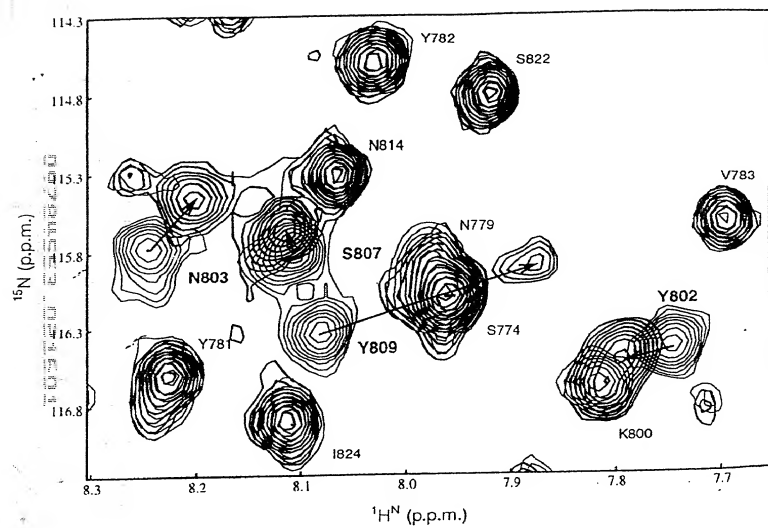


Figure 3A

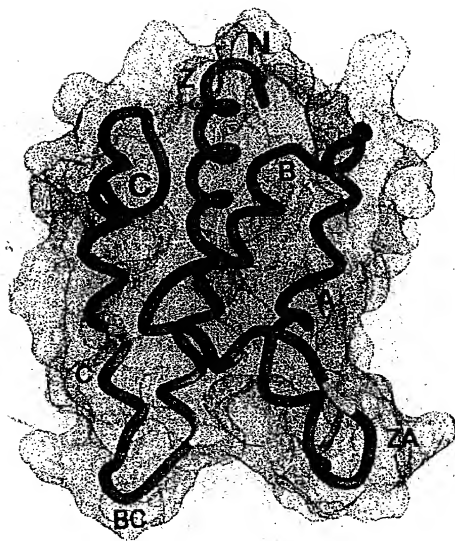
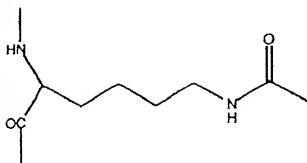
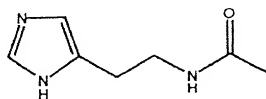


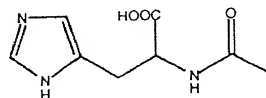
Figure 3B



*N*ε-acetyl-lysine



*N*ω-acetyl-histamine



*N*α-acetyl-histidine

Figure 3C

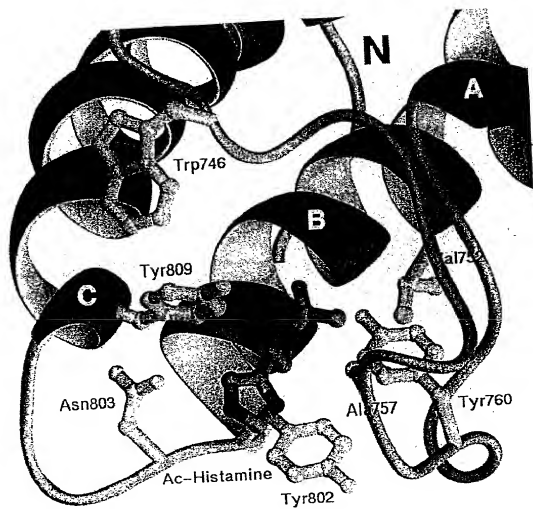


Figure 4

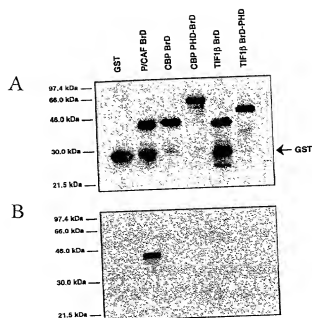


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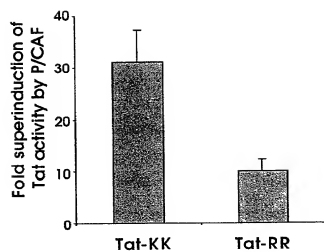


Figure 7

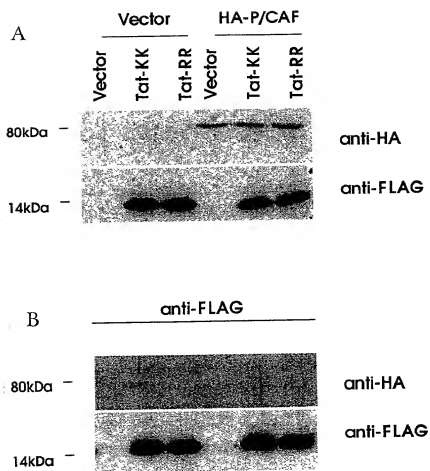
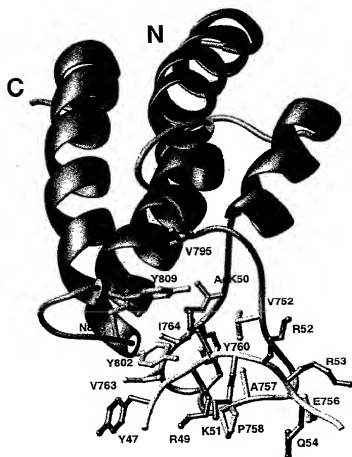


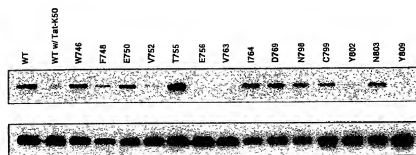
Figure 8



HIV-1 Tat Peptide: SYGR-AcK-KRRQRC

Figure 9

A



B

1. Control
 2. Tat_K50 (aa 46-55)
 3. Tat_AcK50
 4. Tat_AcK50_Y47A
 5. Tat_AcK50_R49A
 6. Tat_AcK50_K51A
 7. Tat_AcK50_R52A
 8. Tat_AcK50_R53A
 9. Tat_AcK50_Q54A
 10. Tat_AcK51
 11. Tat_AcK28 (aa 23-33)
 12. Histone H4_AcK16
- SYGR-K-KRRQRC
SYGR-**AcK**-KRRQRC
SAGR-**AcK**-KRRQRC
SYGA-**AcK**-KRRQRC
SYGR-**AcK**-RRQRC
SYGR-**AcK**-KRRQRC
SYGR-**AcK**-KRRQRC
SYGR-**AcK**-KRRQRC
SYGR-**AcK**-KRRQRC
SYGRK-**AcK**-RRQRC
TNCYCK-**AcK**-CCPH
SGRGKGKGLGKGGA-**AcK**-RHRK

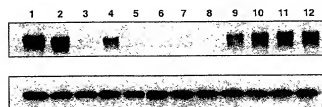


Figure 10

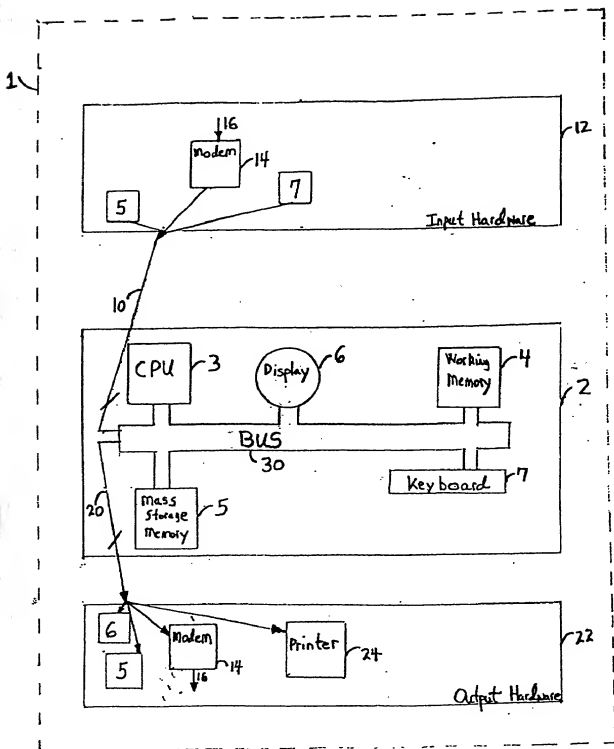
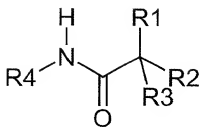


Figure 11



Where:

$R_1, R_2, R_3 = \text{H, CH}_3, \text{X (halogen: F, Cl, Br, I), OH, SH, or NH}_3^+$

$R_4 = \text{alkyl, aryl}$

Figure 12

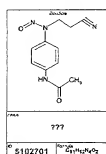
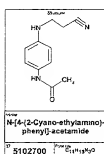
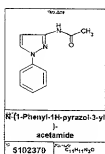
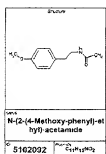
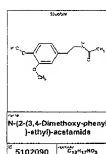
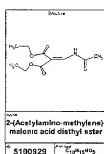
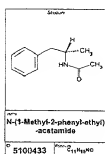
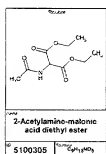
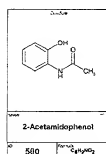
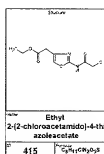
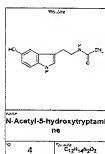
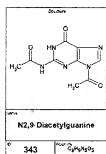
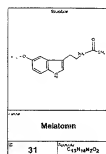
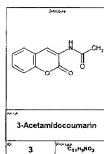
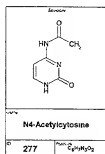
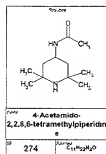
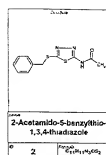
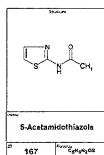
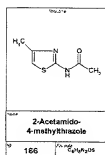
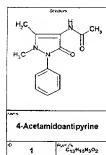


Figure 13-1

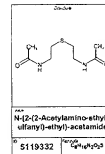
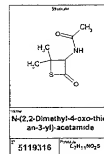
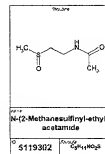
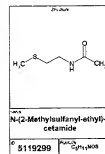
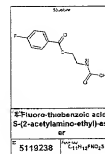
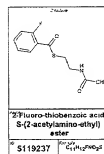
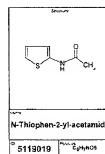
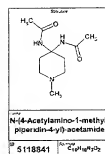
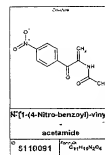
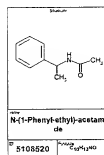
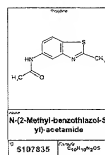
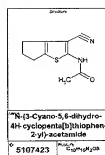
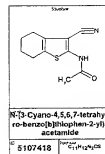
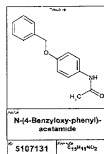
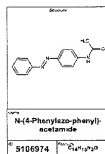
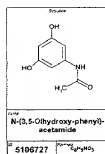
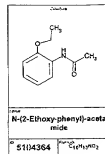
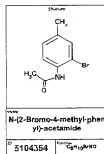
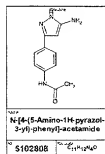
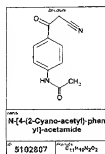


Figure 13-2

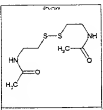
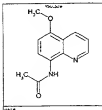
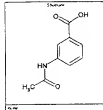
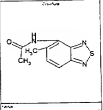
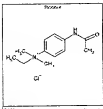
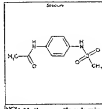
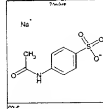
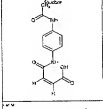
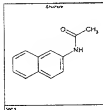
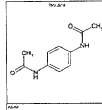
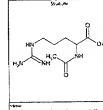
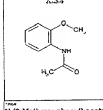
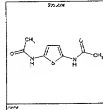
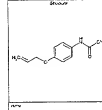
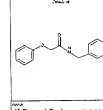
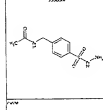
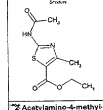
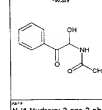
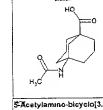
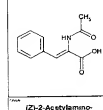
 <p>N-(2-(2-Acetylamino-ethyl) sulfanyl)-ethyl-acetamide</p> <p>5139333 $C_{12}H_{21}N_3S_2$</p>	 <p>N-(5-Methoxy-quinolin-6-yl)-acetamide</p> <p>5121921 $C_{17}H_{15}NO_2$</p>	 <p>3-Acetylamino-benzoic acid</p> <p>5128194 $C_9H_9NO_3$</p>	 <p>N-(5-Methyl-benzox[1,2,5]thiazol-4-yl)-acetamide</p> <p>5131067 $C_{12}H_{11}N_2OS$</p>
 <p>N-(2-Acetylamino-phenyl)-ethyl-dimethyl-ammonium chloride</p> <p>5132828 $C_{14}H_{22}N_2Cl$</p>	 <p>N-(4-Methanesulfonyl-phenyl)-acetamide</p> <p>5133885 $C_{12}H_{13}NO_3S$</p>	 <p>4-Acetylamino-benzenesulfonate sodium</p> <p>5134965 $C_8H_9NO_3SNa$</p>	 <p>(2-(3-(4-Acetylamino-phenyl) carbamoyl)-4-yl)-acetic acid</p> <p>5135478 $C_{20}H_{23}N_3O_5$</p>
 <p>N-Naphthalen-2-yl-acetamide</p> <p>5135520 $C_{17}H_{15}NO$</p>	 <p>N-(4-Acetylamino-phenyl)-acetamide</p> <p>5135639 $C_{12}H_{15}NO_2$</p>	 <p>2-Acetylamino-5-guanidino-pentanoic acid</p> <p>5137138 $C_{10}H_{16}N_4O_3$</p>	 <p>N-(2-Methoxy-phenyl)-acetamide</p> <p>5137141 $C_{11}H_{13}NO_2$</p>
 <p>N-(5-Acetylamino-thiophen-2-yl)-acetamide</p> <p>5137797 $C_{12}H_{13}NO_2S$</p>	 <p>4-Allyloxyacetanilide</p> <p>514 $C_{11}H_{15}NO_2$</p>	 <p>N-Benzyl-2-phenoxy-acetamide</p> <p>5140095 $C_{15}H_{17}NO_2$</p>	 <p>777</p> <p>5144136 $C_{12}H_{13}NO_2S$</p>
 <p>2-Acetylamino-4-methyl-thiazole-5-carboxylic acid ethyl ester</p> <p>5144565 $C_{14}H_{17}N_2O_4$</p>	 <p>N-(1-Hydroxy-2-oxo-2-phenyl-ethyl)-acetamide</p> <p>5144563 $C_{15}H_{17}NO_3$</p>	 <p>5-Acetylamino-bicyclo[3.3.1]nonane-1-carboxylic acid</p> <p>5145196 $C_{19}H_{29}NO_3$</p>	 <p>(Z)-2-Acetylamino-3-phenyl-acrylic acid</p> <p>5145568 $C_{15}H_{15}NO_3$</p>

Figure 13-3

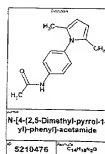
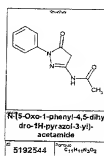
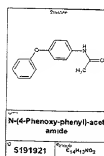
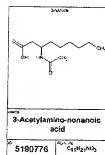
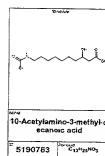
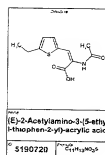
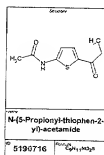
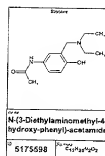
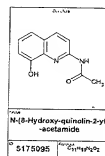
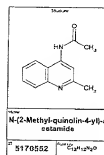
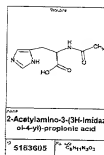
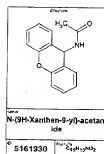
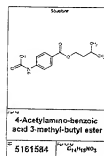
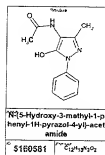
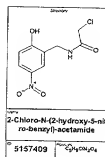
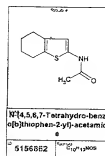
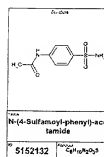
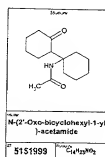
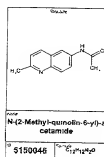
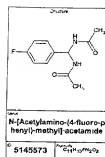


Figure 13-4

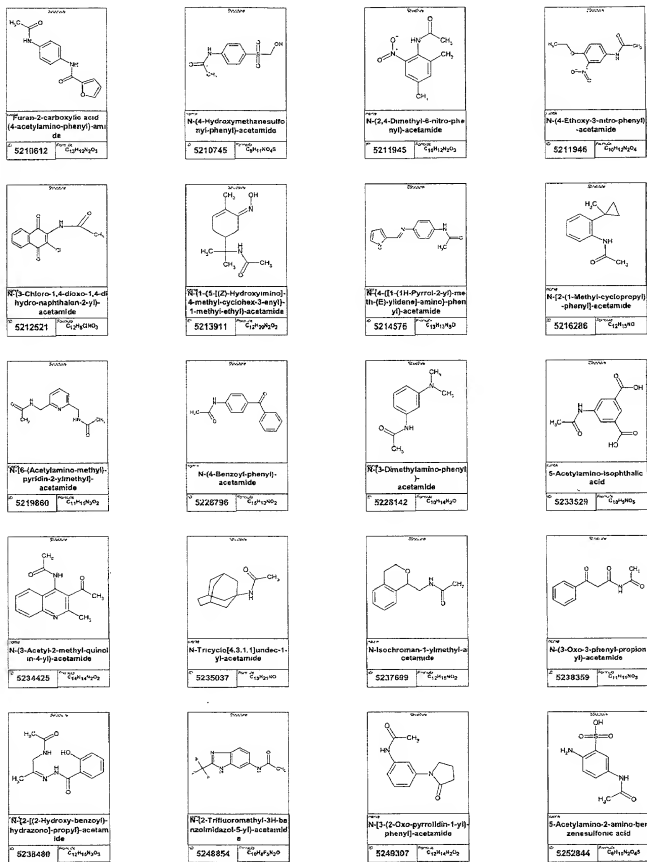


Figure 13-5

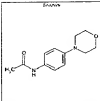
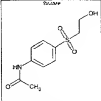
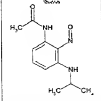
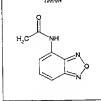
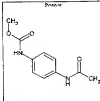
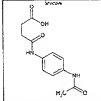
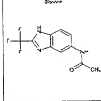
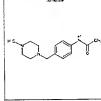
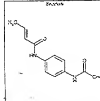
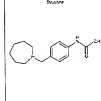
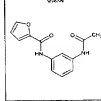
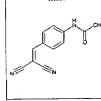
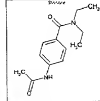
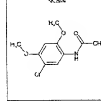
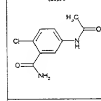
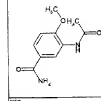
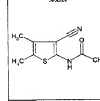
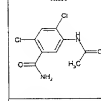
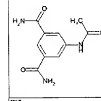
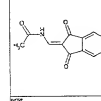
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 <p> <chem>COC(=O)C(=O)Nc1ccc(cc1)C(=O)C</chem> (4-Acetylamino-phenyl)-carbanilic acid methyl ester $C_{12}H_{12}N_2O_4$ 5260987 </p>	 <p> <chem>CC(=O)Nc1ccc(cc1)NC(=O)CC(O)CC</chem> N-(4-Acetylamino-phenyl)-uconamic acid $C_{14}H_{18}N_2O_5$ 5266587 </p>	 <p> <chem>CC(=O)Nc1ccc2c(c1)nc(C(F)(F)F)cn2</chem> N-[2-Trifluoromethyl-1H-benzimidazol-5-yl]-acetamide $C_{13}H_8F_3N_3O$ 5266605 </p>	 <p> <chem>CC(=O)Nc1ccc(cc1)CN2CCN(C)CC2</chem> N-[4-(4-Methyl-piperazin-1-ylmethyl)-phenyl]-acetamide $C_{17}H_{24}N_4O$ 5266853 </p>
 <p> <chem>CC(=O)Nc1ccc(cc1)NC(=O)/C=C/C</chem> (E)-But-2-enol acid (4-acetylamino-phenyl)-amide $C_{12}H_{14}N_2O_2$ 5268506 </p>	 <p> <chem>CC(=O)Nc1ccc(cc1)N2CCCCC2</chem> N-(4-Azapan-1-ylmethyl-phenyl)-acetamide $C_{12}H_{14}N_2O$ 5269570 </p>	 <p> <chem>CC(=O)Nc1cccc(c1)NC(=O)C(=O)C</chem> 2-Acetyl-2-carboxylic acid (3-acetylamino-phenyl)-amide $C_{12}H_{12}N_2O_4$ 5272899 </p>	 <p> <chem>CC(=O)Nc1ccc(cc1)C#CC#N</chem> N-[4-(2,2-Dicyano-vinyl)-phenyl]-acetamide $C_{10}H_8N_2O_2$ 5274603 </p>
 <p> <chem>CCN(C)C(=O)Nc1ccc(cc1)C(=O)C</chem> 4-Acetylamino-N,N-diethylbenzamide $C_{17}H_{21}N_3O$ 5279673 </p>	 <p> <chem>COc1cc(Cl)cc(NC(=O)C)c1OC</chem> N-(5-Chloro-2,4-dimethoxyphenyl)-acetamide $C_{11}H_{11}ClN_2O_2$ 5302797 </p>	 <p> <chem>CC(=O)Nc1cccc(c1)C(=O)N</chem> 5-Acetylamino-2-chlorobenzamide $C_{10}H_8ClN_2O_2$ 5305312 </p>	 <p> <chem>CC(=O)Nc1ccc(cc1)C(=O)N</chem> 3-Acetylamino-4-methoxybenzamide $C_{11}H_{11}N_3O_2$ 5306605 </p>
 <p> <chem>CC(=O)Nc1cc(C)c(C#N)sc1</chem> N-(3-Cyano-4,5-dimethylthiophen-2-yl)-acetamide $C_{10}H_{10}N_2S$ 5306646 </p>	 <p> <chem>CC(=O)Nc1cc(Cl)c(NC(=O)C)c(Cl)c1</chem> 5-Acetylamino-2,4-dichlorobenzamide $C_{10}H_7Cl_2N_2O_2$ 5306181 </p>	 <p> <chem>CC(=O)Nc1cccc(c1)C(=O)N</chem> 5-Acetylamino-isophthalamide $C_{14}H_{11}N_3O_2$ 5308542 </p>	 <p> <chem>CC(=O)Nc1ccc2c(c1)C(=O)C(=O)O2</chem> N-(1,3-Dioxo-indan-2-ylidene)-methyl-acetamide $C_{14}H_9N_3O_3$ 5309552 </p>

Figure 13-6

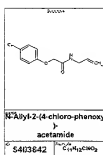
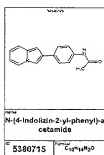
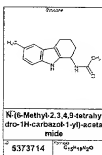
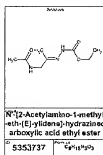
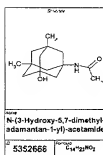
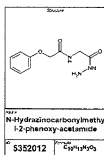
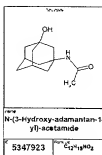
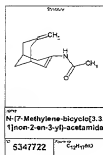
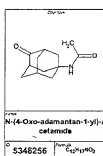
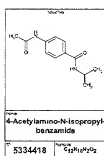
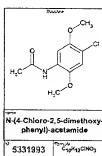
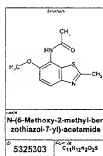
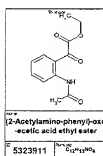
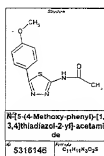
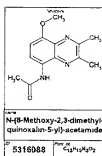
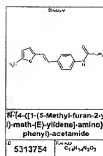
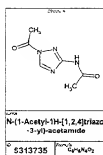
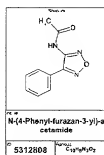
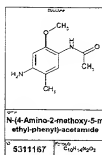
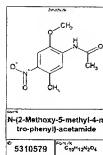


Figure 13-7

 N-[2-(2-Fluoro-phenoxy)-ethyl]-hydroxyacetamide 5464444 $C_{10}H_{10}FNO_3$	 N-[4-[[[2-Hydroxy-ethyl]-propyl-amino]-methyl]-phenyl]-acetamide 5423275 $C_{17}H_{25}NO_2$	 N-(4-Piperidin-1-ylmethyl)-p-phenyl-acetamide 5425039 $C_{17}H_{23}NO_2$	 N-(4-Morpholin-4-ylmethyl-phenyl)-acetamide 5426608 $C_{17}H_{23}NO_2$
 N-(4-Hydroxy-2-methyl-quinolin-2-yl)-acetamide 5470439 $C_{15}H_{14}NO_3$	 N-(6-Acetylamino-1-oxy-pyridin-2-yl)-acetamide 5474173 $C_{11}H_{10}N_2O_3$	 4-Fluoroacetanilide 548 $C_8H_8FNO_2$	 N-(4-tert-Butyl-2-nitro-phenyl)-acetamide 5485259 $C_{17}H_{19}NO_3$
 N-[4-[[1-Pyridin-4-yl-methyl-(E)-ylidene]-amino]-phenyl]-acetamide 5509419 $C_{17}H_{16}N_2O_2$	 N-(1H-Tetrazol-5-yl)-acetamide 5510953 $C_5H_5N_4O$	 Pyridin-3-yl-carbamic acid 2-acetylamino-ethyl ester 5522408 $C_{12}H_{13}N_2O_4$	 N-Allyl-2-phenoxy-acetamide 5523973 $C_{12}H_{15}NO_2$
 N-[3,4-Dihydro-benzo[1,2-b:4,3-b']diazol-6-yl]-acetamide 5529796 $C_{12}H_{11}N_3O$	 N-(2-Methoxy-ethyl)-2-phenoxy-acetamide 5531808 $C_{17}H_{19}NO_3$	 N-(3-Methoxy-propyl)-2-phenoxy-acetamide 5544954 $C_{17}H_{19}NO_3$	 N-(3-Dimethylamino-propyl)-2-phenoxy-acetamide 5548376 $C_{17}H_{23}NO_2$
 N-(5-Phenyl-[1,3,4]oxadiazol-6-yl)-acetamide 5549905 $C_{14}H_{11}NO_3$	 N-(1-Butyl-1H-benzimidazol-2-yl)-acetamide 5553131 $C_{21}H_{21}NO_2$	 2-(4-Chloro-phenoxy)-N-(2-methoxy-ethyl)-acetamide 5553166 $C_{17}H_{19}ClNO_3$	 N-(1-Propyl-1H-benzimidazol-2-yl)-acetamide 5553756 $C_{19}H_{19}NO_2$

Figure 13-8

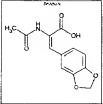
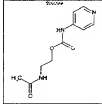
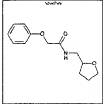
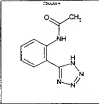
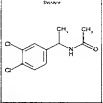
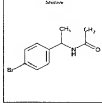
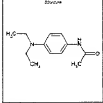
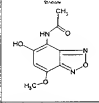
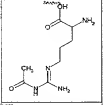
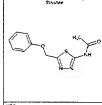
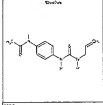
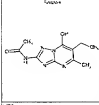
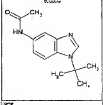
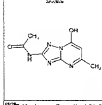
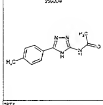
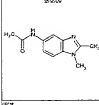
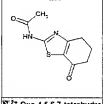
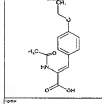
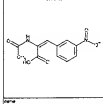
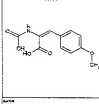
 <p>N-(2-Acetylamino-3-benzol[1,3]dioxol-5-yl)acrylic acid</p> <p>5558887 $C_{12}H_{11}NO_4$</p>	 <p>Pyridine-4-yl-carbanilic acid 2-acetylamino-ethyl ester</p> <p>5561171 $C_{16}H_{17}N_2O_4$</p>	 <p>2-Phenoxy-N-(tetrahydro-fu-ran-2-ylmethyl)-acetamide</p> <p>5563978 $C_{17}H_{19}NO_2$</p>	 <p>N-[2-(1H-Tetrazol-5-yl)-phenyl]-acetamide</p> <p>5583145 $C_{12}H_{10}N_4O$</p>
 <p>N-[1-(3,4-Dichloro-phenyl)-ethyl]-acetamide</p> <p>5583493 $C_{12}H_{11}Cl_2NO$</p>	 <p>N-[1-(4-Bromo-phenyl)-ethyl]-acetamide</p> <p>5587422 $C_{12}H_{11}BrNO$</p>	 <p>N-(4-Diethylamino-phenyl)-acetamide</p> <p>5562408 $C_{16}H_{21}NO$</p>	 <p>N-[6-Hydroxy-7-methoxy-benzof[1,2,3-b]oxadiazol-4-yl]-acetamide</p> <p>5562437 $C_{14}H_{13}NO_4$</p>
 <p>5-(N'-Acetyl-guandinol)-2-amino-pentanoic acid</p> <p>5562544 $C_{14}H_{24}N_4O_3$</p>	 <p>N-(5-Phenoxy-methyl-[1,3,4]thiadiazol-2-yl)-acetamide</p> <p>5563778 $C_{17}H_{15}N_3O_2$</p>	 <p>N-[4-(3-Allyl-thioureido)-phenyl]-acetamide</p> <p>5564206 $C_{17}H_{21}N_2OS$</p>	 <p>N-[6-Ethyl-7-hydroxy-5-methyl-(1,2,4-triazolo[1,5-a]pyrimidin-2-yl)-acetamide</p> <p>5562409 $C_{20}H_{23}N_5O$</p>
 <p>N-[1-tert-Butyl-1H-benzotriazol-5-yl]-acetamide</p> <p>5555930 $C_{19}H_{21}N_4O$</p>	 <p>N-[7-Hydroxy-5-methyl-(1,2,3-triazolo[1,5-a]pyrimidin-2-yl)-acetamide</p> <p>5556027 $C_{18}H_{21}N_5O$</p>	 <p>N-(5-p-Tolyl-4H-[1,2,4]triazol-1-yl)-acetamide</p> <p>5556455 $C_{15}H_{13}N_3O$</p>	 <p>N-[1,2-Dimethyl-1H-benzotriazol-5-yl]-acetamide</p> <p>5560405 $C_{16}H_{17}N_4O$</p>
 <p>N-[7-Oxo-4,5,6,7-tetrahydro-benzothiazol-2-yl]-acetamide</p> <p>5574030 $C_{14}H_{13}NO_2$</p>	 <p>(Z)-2-Acetylamino-3-(4-ethoxy-phenyl)-acrylic acid</p> <p>5565885 $C_{18}H_{19}NO_4$</p>	 <p>(E)-2-Acetylamino-3-(3-nitro-phenyl)-acrylic acid</p> <p>5587266 $C_{17}H_{15}NO_4$</p>	 <p>(E)-2-Acetylamino-3-(3-nitro-phenyl)-acrylic acid</p> <p>5588836 $C_{17}H_{15}NO_4$</p>

Figure 13-9

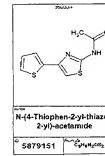
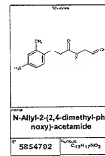
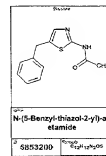
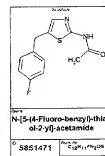
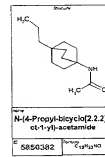
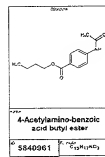
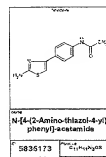
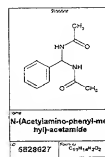
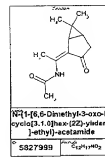
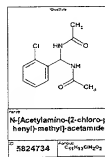
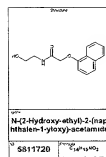
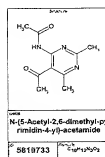
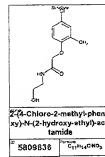
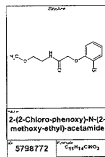
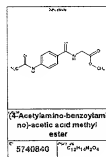
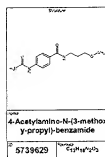
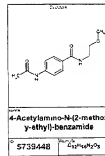
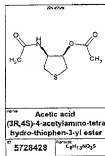
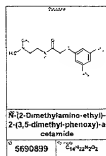
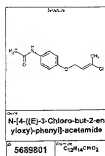


Figure 13-10

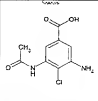
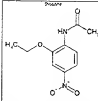
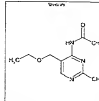
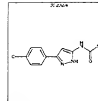
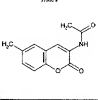
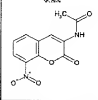
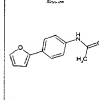
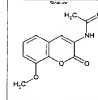
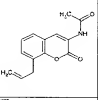
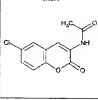
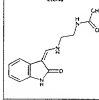
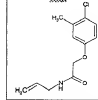
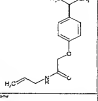
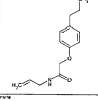
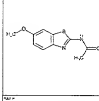
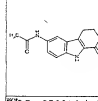
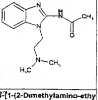
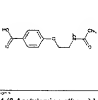
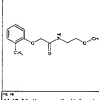
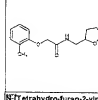
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 <p>N-(6-Methyl-2-oxo-2H-chromen-3-yl)-acetamide</p> <p>6037500 $C_{18}H_{14}O_3$</p>	 <p>N-(8-Nitro-2-oxo-2H-chromen-3-yl)-acetamide</p> <p>6037721 $C_{17}H_{11}N_2O_5$</p>	 <p>N-(4-Furan-2-yl-phenyl)-acetamide</p> <p>6039007 $C_{15}H_{11}NO_2$</p>	 <p>N-(8-Methoxy-2-oxo-2H-chromen-3-yl)-acetamide</p> <p>6041557 $C_{19}H_{14}O_3$</p>
 <p>N-(8-Allyl-2-oxo-2H-chromen-3-yl)-acetamide</p> <p>6041610 $C_{19}H_{16}O_3$</p>	 <p>N-(6-Chloro-2-oxo-2H-chromen-3-yl)-acetamide</p> <p>6041848 $C_{17}H_{11}ClO_3$</p>	 <p>N-[2-(2-Oxo-1,2-dihydro-indol-1(2H)-ylidene)ethyl]-acetamide</p> <p>6043527 $C_{15}H_{13}N_2O_2$</p>	 <p>N-Allyl-2-(4-chloro-3-methyl-phenoxy)-acetamide</p> <p>6045963 $C_{20}H_{19}ClNO_2$</p>
 <p>N-(2-(4-Isopropoxyphenoxy)-ethyl)-acetamide</p> <p>6047729 $C_{21}H_{27}O_3$</p>	 <p>N-Allyl-2-(4-propoxyphenoxy)-acetamide</p> <p>6048040 $C_{21}H_{27}O_3$</p>	 <p>N-(6-Methoxy-benzothiazol-2-yl)-acetamide</p> <p>6048159 $C_{15}H_{13}NO_2S$</p>	 <p>N-(8-Oxo-6,7,8,9-tetrahydro-5H-carbazol-3-yl)-acetamide</p> <p>6048242 $C_{19}H_{15}NO_2$</p>
 <p>N-(1-(2-Dimethylamino-ethyl)-5-H-benzomimidazol-2-yl)-acetamide</p> <p>6048903 $C_{21}H_{26}N_4O$</p>	 <p>4-(2-Acetylamino-ethoxy)-benzoic acid</p> <p>6050208 $C_{14}H_{15}NO_4$</p>	 <p>N-(2-Methoxy-ethyl)-2-o-tolyl-oxy-acetamide</p> <p>6050836 $C_{17}H_{21}NO_3$</p>	 <p>N-(1-Tetrahydro-furan-2-ylmethyl)-2-o-tolyl-oxy-acetamide</p> <p>6051107 $C_{20}H_{25}NO_3$</p>

Figure 13-11





















 <p>NAME N-Allyl-2-o-toloxyl-acetamide</p> <p>NO 6081605 $C_{12}H_{15}NO_2$</p>	 <p>NAME N-Isobutyl-2-p-toloxyl-acetamide</p> <p>NO 6082132 $C_{17}H_{21}NO_2$</p>	 <p>NAME N-(3-Methoxy-propyl)-2-o-toloxyl-acetamide</p> <p>NO 6084617 $C_{17}H_{21}NO_3$</p>	 <p>NAME N-Allyl-2-m-toloxyl-acetamide</p> <p>NO 6085276 $C_{15}H_{19}NO_2$</p>
 <p>NAME N-(3-Dimethylamino-propyl)-2-m-toloxyl-acetamide</p> <p>NO 6085715 $C_{18}H_{25}NO_2$</p>	 <p>NAME N-(3-Dimethylamino-propyl)-2-o-toloxyl-acetamide</p> <p>NO 6088320 $C_{18}H_{25}NO_2$</p>	 <p>NAME N-(3-Methoxy-propyl)-2-m-toloxyl-acetamide</p> <p>NO 6089795 $C_{17}H_{21}NO_3$</p>	 <p>NAME N-(4-Acetylamino-phenyl)-2-oxo-butylamide</p> <p>NO 6091018 $C_{16}H_{19}NO_3$</p>
 <p>NAME N-(3-Methoxy-propyl)-2-m-toloxyl-acetamide</p> <p>NO 6091675 $C_{17}H_{21}NO_3$</p>	 <p>NAME N-(3-Methoxy-propyl)-2-p-toloxyl-acetamide</p> <p>NO 6093568 $C_{17}H_{21}NO_3$</p>	 <p>NAME N-Furan-2-ylmethyl-2-m-toloxyl-acetamide</p> <p>NO 6094336 $C_{18}H_{21}NO_3$</p>	 <p>NAME N-Isobutyl-2-m-toloxyl-acetamide</p> <p>NO 6095380 $C_{15}H_{19}NO_2$</p>
 <p>NAME 2-Phenoxy-N-pyridin-2-ylmethyl-acetamide</p> <p>NO 6096564 $C_{18}H_{17}NO_2$</p>	 <p>NAME N-(2-(4-Nitro-phenylamino)-propyl)-acetamide</p> <p>NO 6098516 $C_{17}H_{19}NO_3$</p>	 <p>NAME N-Acetylhistamine</p> <p>NO 61</p>	 <p>NAME 2-(2,4-Dimethyl-phenoxy)-N-(2-hydroxy-ethyl)-acetamide</p> <p>NO 6120704 $C_{18}H_{23}NO_3$</p>
 <p>NAME N-(4-Acetylamino-phenyl)-oxalamic acid ethyl ester</p> <p>NO 6127010 $C_{17}H_{17}NO_6$</p>	 <p>NAME N-(4-(2,5-Dimethyl-phenyl)-1H-imidazol-2-yl)-acetamide</p> <p>NO 6131498 $C_{17}H_{19}NO_2$</p>	 <p>NAME N-(4-(3,4-Dimethyl-phenyl)-1H-imidazol-2-yl)-acetamide</p> <p>NO 6131723 $C_{17}H_{19}NO_2$</p>	 <p>NAME N-Allyl-2-naphthalen-2-ylmethyl-acetamide</p> <p>NO 6139453 $C_{22}H_{25}NO_2$</p>

Figure 13-12

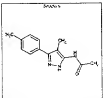
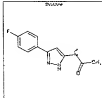
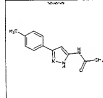
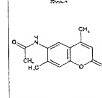
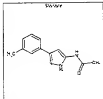
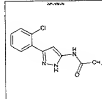
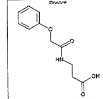
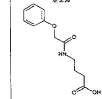
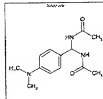
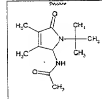
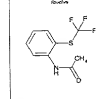
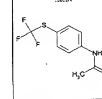
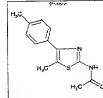
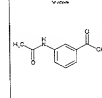
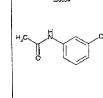
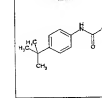
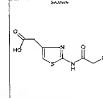
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<p>Structure</p>  <p>Name N-(5-m-Tolyl-2H-pyrazol-3-yl)-acetamide</p> <p>C 6160287 $C_{14}H_{14}N_2O$</p>	<p>Structure</p>  <p>Name N-[5-(2-Chloro-phenyl)-2H-pyrazol-3-yl]-acetamide</p> <p>C 6163418 $C_{12}H_{10}ClN_2O$</p>	<p>Structure</p>  <p>Name 3-(2-Phenoxy-acetylamino)-propionic acid</p> <p>C 6239633 $C_{14}H_{15}NO_4$</p>	<p>Structure</p>  <p>Name 4-(2-Phenoxy-acetylamino)-butyric acid</p> <p>C 6240756 $C_{16}H_{17}NO_4$</p>
<p>Structure</p>  <p>Name N-[Acetylamino-(4-dimethyl-amino-phenyl)-methyl]-acetamide</p> <p>C 6240978 $C_{19}H_{24}N_4O_2$</p>	<p>Structure</p>  <p>Name N-[1-tert-Butyl-3,4-dimethyl-5-oxo-2,5-dihydro-1H-pyrazol-2-yl]-acetamide</p> <p>C 6326390 $C_{20}H_{28}N_2O_2$</p>	<p>Structure</p>  <p>Name N-(2-Trifluoromethylsulfonyl-phenyl)-acetamide</p> <p>C 6368433 $C_{10}H_7F_3NO_2$</p>	<p>Structure</p>  <p>Name N-(4-Trifluoromethylsulfonyl-phenyl)-acetamide</p> <p>C 6368862 $C_{10}H_7F_3NO_2$</p>
<p>Structure</p>  <p>Name N-(5-Methyl-4-p-tolyl-thiazol-2-yl)-acetamide</p> <p>C 6404355 $C_{17}H_{16}N_2S$</p>	<p>Structure</p>  <p>Name 3-Acetamidooacetophenone</p> <p>C 659 $C_{12}H_{12}NO_2$</p>	<p>Structure</p>  <p>Name 3-Acetamidophenol</p> <p>C 660 $C_{9}H_9NO_2$</p>	<p>Structure</p>  <p>Name 4-tert-Butylacetamide</p> <p>C 700 $C_{8}H_{17}NO$</p>
<p>Structure</p>  <p>Name 2-(2-Chloroacetamido)-4-thiazoleacetic acid</p> <p>B 8 $C_7H_6ClN_2O_3$</p>			

Figure 13-13